Cell Line Authentication Report

Institution：Cobioer Biosciences CO.,LTD

Customer：Taohua Jiang

Tel：025-86880024

Email：jiangtaohua@cobioer.com

Vendor：Cobioer Biosciences CO.,LTD

Attention：Taohua Jiang

Tel：025-86880024

Email：jiangtaohua@cobioer.com

科佰生物Cobioer

1. Sample information:

Sample No.: “Ishikawa 3-H-12”

2. Methods:

a. Genomic DNA was extracted from the cell pellets provided by the customer.
b. Samples, together with positive and negative control were amplified using GenePrint System (Promega).
c. Amplified products were processed using the ABI3730xl Genetic Analyzer.
d. Data was analyzed by GeneMapper4.0 software and then compared with the ATCC, DSMZ or JCRB databases for reference matching.

3. Results:

STR profile

Marker	Sample				Database		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	10	11			10	11	
D13S317	9	12	13		9	12	13
D7S820	9	10			9	10	
D16S539	9	9			9	9	
VWA	14	17			14	17	
TH01	9	10			9	10	
AMEL	X	X			X	X	
TPOX	8	8			8	8	
CSF1PO	11	12			11	12	
D12S391	18	21	22				
FGA	20	21					
D2S1338	19	20					
D21S11	28	28					
D18S51	12	20					
D8S1179	12	16					
D3S1358	16	17					
D6S1043	12	18					
PENTAE	11	19					
D19S433	13.2	14					
PENTAD	10	11					
D1S1656	13	14					

4. Conclusion

A. The STR results show that there are no four alleles on the main nine locus, there is certainly no cross contamination of human cells in this cell line.

B. The match percent between the sample and the STR database profile is **100%**, the cell name is **Ishikawa 3-H-12.**

Accession	Name	N° Markers	Score	Amel	CSF1PO	D2S1338	D3S1358	D5S818	D7S820	D8S1179	D13S317	D16S539	D18S51	D19S433	D21S11	FGA	Penta D	Penta E	TH01	TPOX	vWA
NA	Query	NA	NA	x,x	11,12			10,11	9,10		9,12,13	9,9							9,10	8,8	14,17
CVCL_D199	Ishikawa 3-H-12	8	100.00%	X	11,12			10,11	9,10		9,12,13	9							9,10	8	14,17

Note:

1. The STR profile data was compared with the ATCC, DSMZ or JCRB databases, if the cell line is not included in the three institutions, the results are not correct. More information you provided would be useful for Cell Line Authentication.
2. Based on the ANSI Standard, cell lines with 100% match are considered to be "identical"; cell lines with ≥80% but less than 100% match are considered to be "related".

Operator：Xiaomei Liu, Qin Wang

Leader：Wei Zhou

Date：2025-02-24